

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior version, and listings, of claims in the application:

### *Listing of Claims:*

1-57. (Canceled)

58. (Currently Amended) ~~In a method~~ A method for use in a signal measurement system ~~in which time-varying analog signals are sampled, recorded and displayed, a method for graphically displaying an annotation label on a graphical user interface on which waveforms of the time-varying analog signals are displayed,~~ the method comprising;

receiving a time-varying analog signal;

sampling the received time-varying analog signal;

displaying a waveform on a graphical user interface based on the sampled time-varying analog signal;

displaying on the graphical user interface a first display element representing the function of displaying an annotation label;

receiving an indication that an operator graphically selected said first display element;

displaying, on the graphical user interface, a display region through which the operator can enter waveform-related data ~~related to a waveform displayed on the graphical user interface~~ to be displayed in an annotation label;

receiving through the user interface said waveform-related data to be displayed in said ~~dialog box~~ annotation label; and

displaying said annotation label on said graphical user interface in visual association with a desired waveform feature, wherein said waveform-related data is displayed in said annotation label.

59. (Previously Presented) The method of claim 58, wherein said first display element comprises any known display element supported by the graphical user interface.

60. (Previously Presented) The method of claim 58, wherein said first display element comprises an icon.

61. (Previously Presented) The method of claim 58, wherein said first display element comprises a graphical button rendered on a dialog box.

62. (Previously Presented) The method of claim 58, wherein said display region through which the operator can enter said data to be displayed in the annotation label is a window.

63. (Previously Presented) The method of claim 58, wherein said display region through which the operator can enter said data to be displayed in the annotation label is a dialog box

64. (Previously Presented) The method of claim 58, wherein said data to be displayed in said dialog box comprises data in the form of text strings.

65. (Previously Presented) The method of claim 58, wherein said data to be displayed in said dialog display region comprises data in the form of graphical symbols.

66. (Canceled)

67. (Previously Presented) The method of claim 58, further comprising:

- displaying a second display element on the graphical user interface indicating that the operator has the opportunity to alter the manner in which the annotation label is rendered;

- receiving an indication that the operator has selected said second display element;

- displaying, in response to said indication that the operator has selected said second display element, a rendering options display window on the graphical user interface through which the operator can enter rendering control information for the annotation label;

- receiving operator inputs applied to said rendering options display window; and

- displaying said annotation label in accordance with said operator inputs to said rendering options display window.

68. (Currently Amended) A method for graphically annotating measurement waveforms in a signal measurement system ~~in which time varying analog signals are sampled, recorded and displayed, the signal measurement system having a graphical user interface through which waveforms of the time varying analog signals and measurement thereof are displayed in a waveform display region presented on a display of the signal measurement system,~~ the method comprising:

receiving one or more time varying analog signals;

sampling the received time varying analog signals;

displaying in a waveform display region of a display presented by a graphical user interface one or more waveforms in accordance with the sampled time varying analog signals;

graphically generating, in response to receipt to commands provided by an operator via said graphical user interface, an annotation label containing operator-generated information regarding a desired feature of a desired waveform; and

graphically positioning said annotation label at a location on the display in visual association with said desired waveform, wherein said graphical positioning occurs in response to cursor control ~~actions of~~ actions by the operator.

69. (Previously Presented) The method of claim 68, wherein said visual association of said annotation label with said desired waveform comprises one or more of either:

positioning said annotation label, in response to operator control inputs, to a location positionally proximate to said desired feature of said desired waveform displayed on the display; and

displaying an operator defined reference symbol graphically coupling said annotation label with said desired feature of said desired waveform.

70. (Previously Presented) The method of claim 68, wherein said information is presented in one or more forms comprising at least one of textual and symbolic form.

71. (Previously Presented) The method of claim 68, wherein said information is provided by the operator using a keyboard operatively associated with the signal measurement system.

72. (Previously Presented) The method of claim 71, wherein said keyboard is a graphically-displayed keyboard on which the operator graphically selects displayed keys of the graphical keyboard through use of a cursor controlled by a pointing device operatively coupled to said signal measurement system.

73. (Previously Presented) The method of claim 68, wherein the information is entered by the operator through a voice recognition system.

74. (Previously Presented) The method of claim 68, further comprising:  
adjusting appearance characteristics of said annotation label displayed on said graphical user interface in response to operator commands.

75. (Previously Presented) The method of claim 68, wherein said annotation label is a dialog box.

76. (Previously Presented) The method of claim 74, wherein said appearance characteristics comprise one or more of the group consisting of color in which data is rendered in the annotation label, background color of the annotation label, and border characteristics of the annotation label.

77.-78. (Canceled)